

Bruhat Bangalore Mahanagara Palike (BBMP)

Name of Work :- Improvements to roads, drains and other developmental works in ward no- 02 & 03 under road development head in Chief Minister Nava Nagarothan grants of Yelahanka division.

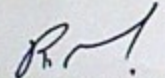
(Package -01)

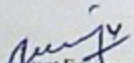
Sl No	Description of Work	Unit	Modified Qty	Executed Qty	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	KSRRB Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, by manual means, in area of light jungle, removal of stumps, disposable of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / chapter 2	Sqm	7900.00	7898.63							
2	Removing and resetting of footpath slab	Sqm	4686.00	4685.10							
3	Removing and resetting of kerb stone	m	3424.00	3424.00							
4	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime/Cement concrete I/ By Manual Means A. Lime concrete, cement concrete grade M-10 and below MORTH Specification No. 202	cum	123.80	123.30							
5	Earthwork Excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per directions of the Engineer-in-charge of the work	cum	6206.86	6206.00							
6	KSRRB 4-1.2. Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220 kgs, with 40mm and down size graded granite metal course aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1.4.2	cum	984.41	982.19							
7	Providing TMT Bars Fe 500 steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification and as per directions of the Engineer in charge of work	MT	134.05	134.04							
8	Providing and laying plain/reinforced cement concrete for side drains walls & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc complete excluding cost of material as per MORTH specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications	cum	2175.48	2174.85							
	Providing and fixing precast reinforced concrete slab 10cm thick of mix										

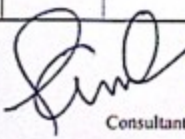
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9	M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm c/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials(data rate enclosed)	Sqm	6036.30	6035.40							
10	Providing and laying precast drain cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm downsize metal with steel reinforcement including form work, lift charges, curing and concrete finished surfaces on both sides etc. complete and as per drawing and direction of Engineer-in-charge of work (data rate enclosed)	Sqm	214.65	214.64							
11	Providing and fixing Precast solid concrete kerb stones of size 450 x 200 x 400mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc. complete as per specifications and as per directions of Engineer in charge of work	Nos	7478.00	7474.63							
12	Painting two coats after filling the surface with syntetic enamel paint in approved shades on new plastered concrete surfaces with materials, labour complete as per specifications and as per directions of the Engineer in charge of work	Sqm	3394.00	3394.00							
13	KSRRB M300-50 Scarifying Bituminous course 50mm to 75mm thick along with premix carpet/ surface dressing by Mechanical Means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications MORTH V chapter 3	Sqm	1144.00	1144.00							
14	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per directions of the Engineer in charge of work.	cum	3177.81	3177.03							
15	Construction of Granular Sub-Base Grading V as sub base and drainage layer by providing coarse stone aggregates of granite / trap / basalt material, mixing by mix in place method with rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory roller to achieve 98% proctor density, complete as per specifications and as per directions of the Engineer-in-charge of the work	cum	1588.90	1588.59							
16	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per directions of the Engineer-in-charge of the work	cum	2013.76	2013.76							
17	Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge of the work	Sqm	10592.70	10592.65							

Sl No	Description of Work	Unit	Modified Qty	Executed Qty							
					Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
18	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per directions of the Engineer-in-charge of the work	Sqm	14868.36	14867.86							
19	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications and as per directions of the Engineer-in-charge of the work	Sqm	33268.95	33268.95							
20	Providing and laying dense graded using 120 TPH capacity Asphalt Batch Mix plant with sensor paver GR-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen crushed aggregates of specified grading premixed with VG30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all aspects complete as per specifications. Clause 505 of MORTH V revision	cum	794.22	794.22							
21	Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per directions of the Engineer-in-charge of the work	Sqm	39603.40	39598.61							
22	Providing and laying bituminous concrete 40mm thick with hot mix plant using 40-60 TPH capacity HMP with mechanical paver grading -II (30-45 mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all aspects complete as per specifications. Clause 507 of	cum	1584.33	1583.83							
23	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per directions of the Engineer-in-charge of the work	Sqm	2034.25	2034.25							

	Description of Work	Unit	Modified Qty	Executed Qty	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
24	KSRRB M800-35 Supply and installation of Moulded shank raised pavement markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to specifications of category A of MORTH Circular No. RW/NH/33023/10-97- Do III Dt. 11.06 1997. The height, width and length shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation.	Nos	3532.00	3532.00							
25	Supply and fixing of Retro-reflective Single arrow Road Name Signboard of size 1600mm x 900mm made out of reflective sheeting conforming to Type XI stands of ASTM D 4956-09 & as per IRC 67-2012 for full back ground of blue colour & white letters and fixed over 4mm thick Aluminium composite material sheet having minimum 0.5 mm thick Aluminium skin on both sides with back side painted grey colour and fixed over back support frame SS Angle of 15 mm x 20 mm x 1.2 mm supported by 38mm OD stainless steel pipe all around in 304 grade and 2 Nos of vertical posts of 50mm OD stainless steel pipe of 202 grade firmly fixed to the ground by means of properly designed foundation of size 450mm x 450mm x 600mm in 1:1.5:3 ratio cement concrete. The background shall be blue in colour with letters and border in white, the item includes earthwork excavation, cost of all materials, loading, unloading, lead, lift, transportation etc. complete as per direction of Engineer in charge of work clause 6.9 of IRC 67-2012 for Type XI retro reflective sheeting from the sheeting manufacturer & a certified copy of test reports from an independent test laboratory confirming to clause 6.7 of IRC 67-2012 including outdoor weather exposure report for	Sqm	4.32	4.32							
26	Direction and Place Identification Signs with more than 0.9 sqm Size Board-Providing and erecting direction and place identification retro-reflectorised sign as per IRC.67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel single angle iron post 75 x 75 x 6 mm 2 Nos firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing	Nos	23.49	23.49							


Contractor representative

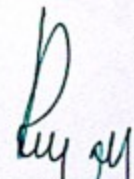

Assistant Engineer


Consultant representative



Assistant Executive Engineer

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Asst. Executive Engineer
Yelahanka Sub. Division

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ANANTAPURAM
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Anjaneya Swamy Temple
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Om Shiva
Devasthan (Temple)
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Neha Prakash
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Yelahanka Newtown 5th phase

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Navachethana Hospital
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SFS 208
4th Phase

Omega Multispeciality
Hospital
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State Bank of India
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R BLOCK

Hoysala

Shankar
Nag Park

OR RCC DRAIN
OR ASPHALT ROAD---

Location/Area/Ward: 02 and 03

CLIENT

PMC:

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP)
Yelahanka, Bangalore

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ads, drains and other
velopmental works in ward no- 02
03 under road development head
Chief Minister Nava Nagarothan
ants of Yelahanka division.
ackage -01)



The Executive Engineer
Yelahanka Division
Bruhat Bengaluru
Mahanagara Palike (BBMP)
Bangalore - 560064



M/s GOOLY CONSULTANCY
SERVICES
230, Opp. G.R. Lavender
Apartments, Sai Enclave Layout,
Kothnur Dinne, 8th Phase, J.P.
Nagar, Bangalore-560 076

M/S SATHYA
CONSTRUCTIONS

TLE: Plan For Ward no-2 and 03



OR RCC DRAIN -- 
OR ASPHALT ROAD -- 

Location/Area/Ward: 02 and 03

Name of Work: Improvements to roads, drains and other developmental works in ward no-02 and 03 under road development head of Chief Minister Nava Nagarothan projects of Yelahanka division. (Package -01)

Title: Plan For Ward no-2 and 03

CLIENT



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The Executive Engineer
Yelahanka Division
Bruhat Bengaluru
Mahanagara Palike (BBMP)
Bangalore - 560064

PMC:

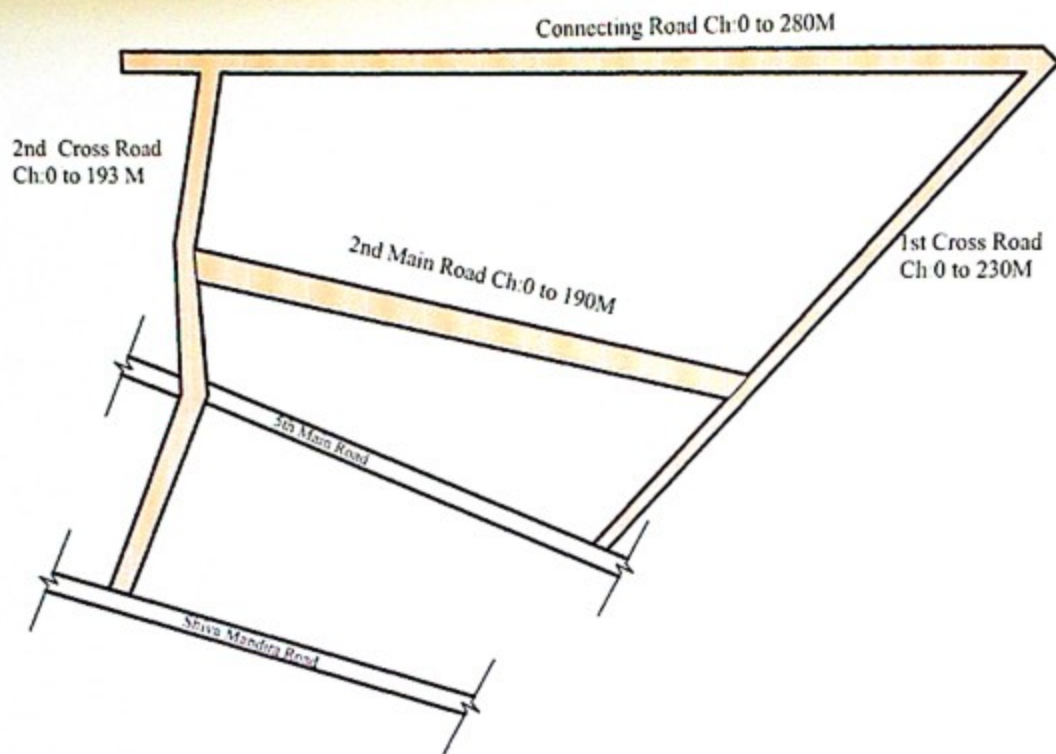


M/s GOOLY CONSULTANCY SERVICES
230, Opp. G.R. Lavender Apartments, Sai Enclave Layout, Kothnur Dinne, 8th Phase, J.P. Nagar, Bangalore-560 076,



Executive Engineer
Yelahanka Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

M/S SATHYA CONSTRUCTIONS

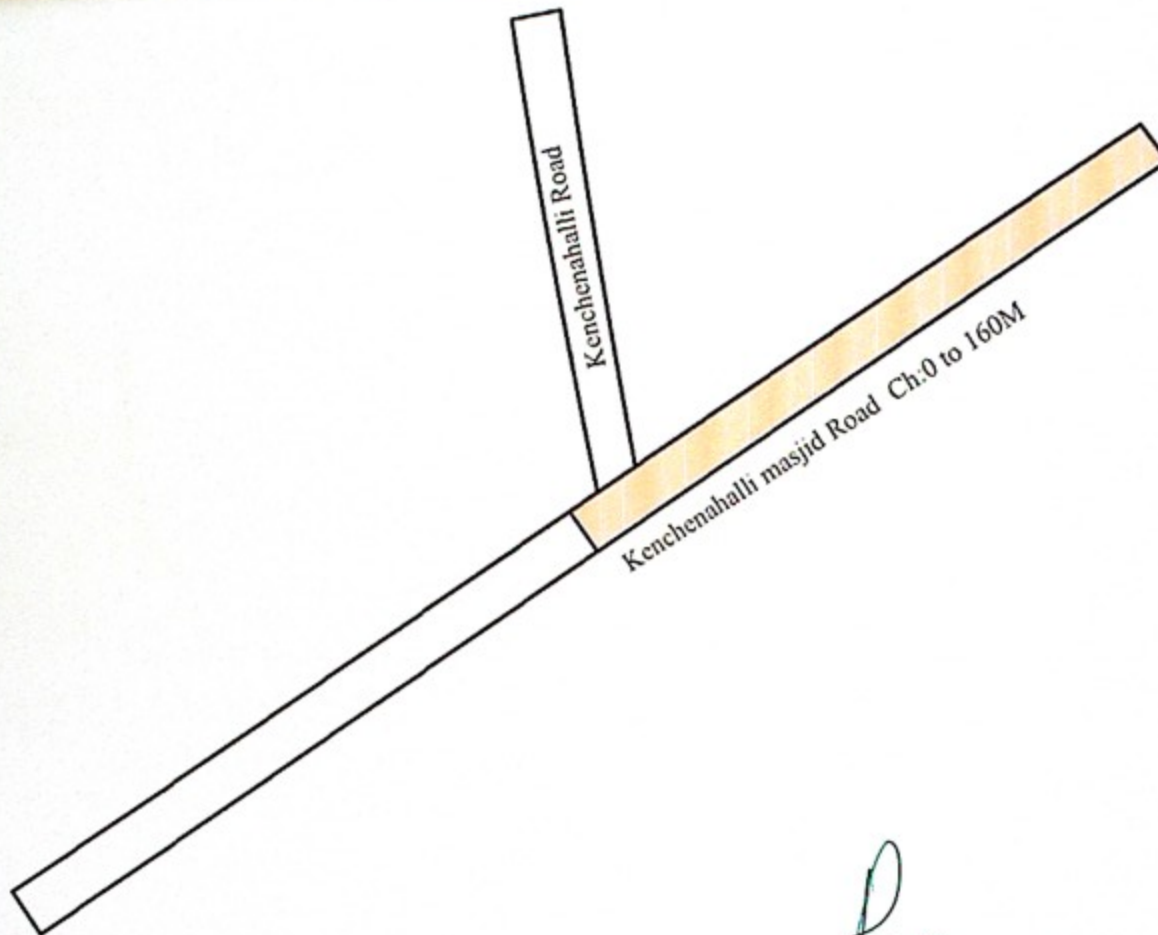


YELAHANKA NEW TOWN 5th PHASE

Design AE-02

P. S. S.
Asst. Executive Engineer
Yelahanka Sub Division
(BBMP, Ynk. Zn)
Yelahanka, Bangalore

Sl. No.	DESCRIPTION	REVISION	BY	DATE	RELEASED FOR	NOTES	CLIENT	FSK CONSULTANT	DESIGNED	DRAWN	CHECKED	DATE	SHEET	SCALE	NOT TO SCALE	
					☐ INFORMATION	FOR ECC DRAIN	BBMP The Executive Engineer Yelahanka Division Bruhat Bengaluru Mahanagara Palika (BBMP) Bangalore - 560064	M/s. GODLY CONSULTANCY SERVICES # 230, Opp. G.R. Lavender Apartments, Sal Enclave Layout, Kothner Dinne, 8th Phase, J.P. Nagar, Bangalore-560 076,								
					☐ No DFR	FOR ASPHALT ROAD										
					☐ DFR											
					☐ TENDER											
					☐ CONSTRUCTION											
										Project Name: Improvements roads and drains at Yelahanka new town 5th phase main and cross roads in chowdeshwari ward no-02, Yelahanka sub Division		Job No:				
										Project: Improvements to roads, drains and other developmental works in ward no-02 & 03 under road development head in Chief Minister Nava Nagrothan grants of Yelahanka division. (Package-01)		Year: 2020				
										Title: Plan For Ward no-2		Revision:				
										Scale: NOT TO SCALE		Box:				



Amrta
AE-02

[Signature]
Asst. Executive Engineer,
Yelahanka Sub. Division
(BBMP Ynk. Zn)

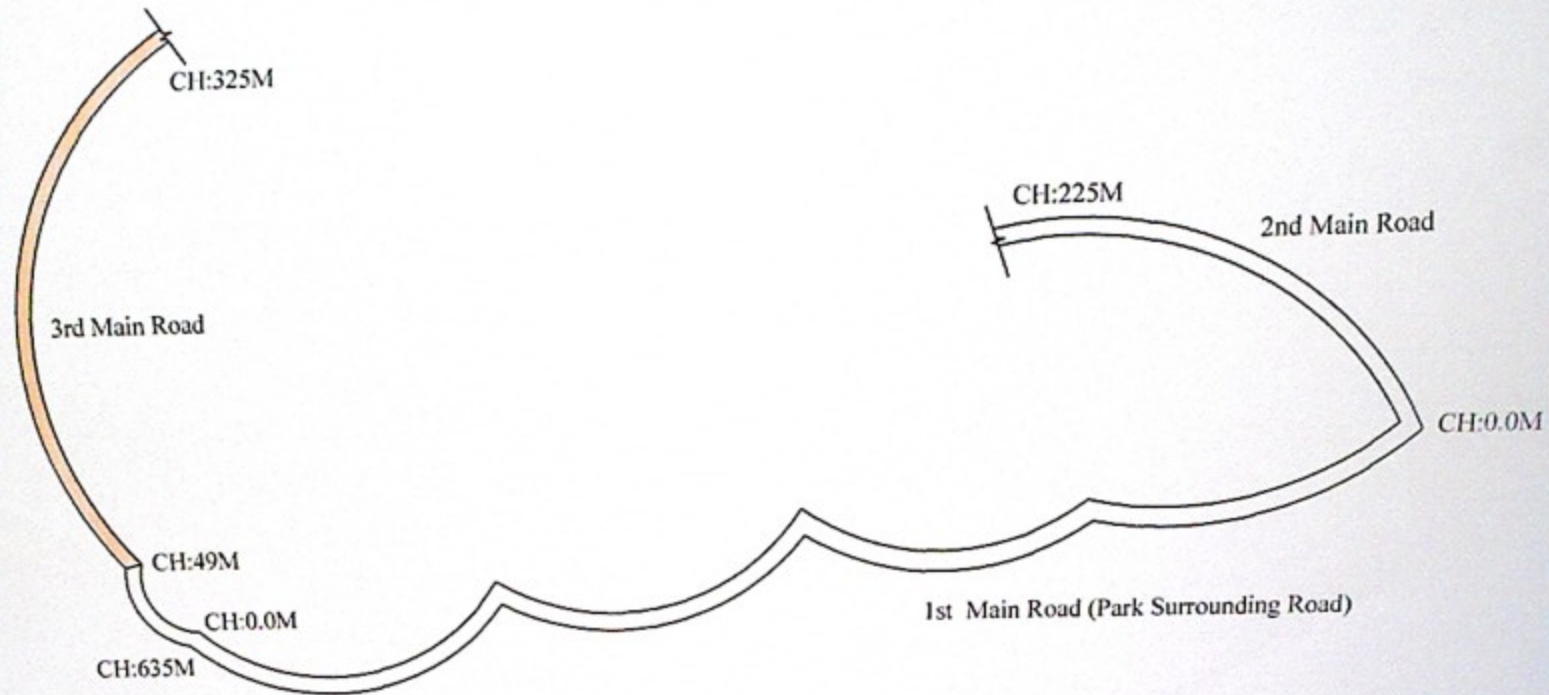
Sl. No.	DESCRIPTION	REVISION	BY	DATE	RELEASED FOR	NOTES	CLIENT	DESIGNER	CONTRACTOR	DESIGNED	DRAWN	CHECKED	DATE	SHEET	
					☐ INFORMATION	FOR ECC DRAIN	 BBMP The Executive Engineer Yelahanka Division Bruhat Bengaluru Mahanagara Palike (BBMP) Bangalore - 560064	 GCS M/s GODLY CONSULTANCY SERVICES # 120, Opp. G.R. Lavender Apartments, Sai Enclave Layout, Kothnur Dinne, 8th Phase, J.P. Nagar, Bangalore-560 076,	Sri R. Suresh (M/s Sathya Constructions)						
				☐ Draft DPR	FOR ASPHALT ROAD										
				☐ DPR											
				☐ TENDER											
				☒ CONSTRUCTION											

Improvements to roads and drains at
syvika vachara budavane balance
main and cross roads, surrounding
layout balance main and cross roads
and surrounding areas in
chowdeshwari ward no-02, Yelahanka
sub-Division.

Improvements to roads, drains and other
developmental works in ward nos 02 & 03
under road development head in Chief
Minister Nava Nagarothan grants of
Yelahanka division. (Package-01)

Plan For Ward no-2

NOT TO SCALE



SFS 208

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AE-2

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ಯಲಹಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. - ಬೆಂಗಳೂರು-106

Sl. No.	DESCRIPTION	REVISION	BY	DATE	RELEASED FOR	NOTES
					☐ INFORMATION	
					☐ Draft DPR	
					☐ DPR	
					☐ TENDER	
					☒ CONSTRUCTION	

BBMP
The Executive Engineer
Yelahanka Division
Bruhat Bengaluru
Mahanagara Palike (BBMP)
Bangalore - 560064

PMC CONSULTANT

MEV GOOLY CONSULTANCY SERVICES
230, Opp. G.R. Lavender Apartments,
Sal Enclave Layout,
Kothnur Diase, 8th Phase, J.P. Nagar,
Bangalore-560 076.

CONTRACTOR
Sri R. Suresh
(M/s Suresh Constructions)

DESIGNED	DRAWN	CHECKED	DATE	SHEET	NAME OF WORK	PROJECT	TITLE	SCALE
					Improvements to roads and drains at SFS 208 and Surrounding areas in wards no 03 yelahanka satellite town Sub division	Improvements to roads, drains and other developmental works in ward no- 02 & 05 under road development head - to Chief Minister Nava Nagathan project of Yelahanka division. (Package 04)	Plan For Ward no-2	NOT TO SCALE